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Customer Number

Patent
Case No.: 57068US037

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

First Named Inventor:	CROOKS, STEPHEN L.		
Application No.:	10/680989	Group Art Unit:	Unknown
Filed:	October 7, 2003	Examiner:	Unknown
Title:	UREA SUBSTITUTED IMIDAZOQUINOLINE ETHERS		

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

CERTIFICATE OF MAILING
I hereby certify that this correspondence is being deposited with the United States Postal Service as First Class Mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on:
8 December 2003 Renee A Wolff
Date Signed by: Renee A. Wolff

Dear Sir:

Pursuant to 37 CFR §§ 1.56, 1.97, and 1.98, enclosed is a completed Form PTO-1449, citing references submitted for consideration by the Examiner. Copies of any cited foreign patents, non-patent literature, and unpublished US application documents are enclosed. Pursuant to the waiver in the Pre-OG Notice, dated July 11, 2003, copies of US patents and published US patent applications are no longer required and are not enclosed. It is respectfully requested that the Examiner initial and return the enclosed Form PTO-1449 to indicate that each reference has been considered.

It is believed that no fee is due; however, in the event a fee is required, please charge the fee to Deposit Account No. 13-3723.

Respectfully submitted,

5- DECEMBER 2003
Date

By: Dean A. Ersfeld
Dean A. Ersfeld, Reg. No.: 46,689
Telephone No.: (651) 733-7830

Office of Intellectual Property Counsel
3M Innovative Properties Company
Facsimile No.: 651-736-3833

Substitute for form 1449A/PTO (modified)

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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U.S. Patent Documents

Exam. Init.*	Cite No.	Document Number Doc. Number-(Kind Code if Known)	Publication Date or Issue Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	A1	US- 3,314,941	04-18-1967	Littell et al.	
	A2	US- 4,689,338	08-25-1987	John F. Gerster	
	A3	US- 4,698,348	10-06-1987	John F. Gerster	
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	A28	US- 6,331,539	12-18-2001	Crooks et al.	

***Examin r:**	**Date Considered:**

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	A29	US- 6,376,669	04-23-2002	Rice et al.	
	A30	US- 2002/0055517 A1	05-09-2002	Smith	
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	B1	PCT √	WO 01/74343	10-11-2001			
	B2	PCT √	WO 02/36592	05-10-2002			X
	B3	PCT	WO 02/46188	06-13-2002			
	B4	PCT	WO 02/46189	06-13-2002			
	B5	PCT √	WO 02/46190	06-13-2002			
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	B12	JP √	9-208584	08-12-1997			

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	B13	JP √	9-255926	03-26-1999			X
	B14	JP √	11-222432	08-17-1999			X
	B15	JP √	2000-247884 (abs)	09-12-2000			X
	B16	EP √	0 394 026	10-24-1990			
	B17	EP √	1 104 764	06-06-2001			

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Exam. Init.*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published
	C1	Wozniak, et al, "The Amination of 3-nitro-1, 5-naphthyridines by Liquid Ammonia/Potassium Permanganate[1,2]. A New and Convenient Amination Method.", Journal of the Royal Netherlands Chemical Society, 102, pp 511-513, December 12, 1983.
	C2	Brennan, et al, "Automated Bioassay of Interferons in Micro-test Plates", Biotechniques, June/July, 78, 1983.
	C3	Testerman, et al., "Cytokine Induction by the Immunomodulators Imiquimod and S-27609", Journal of Leukocyte Biology, Volume 58, pp. 365-372, September 1995.
	C4	Bachman, et al, "Synthesis of Substituted Quinolylamines. Derivatives of 4-Amino-7-Chloroquinoline", J. Org. Chem, 15, pp 1278-1284 (1950).
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	C6	Baranov, et al., Chem. Abs. 85, 94362, (1976).
	C7	Berényi, et al, "Ring Transformation of Condensed Dihydro-as-triazines", J. Heterocyclic Chem., 18, pp 1537-1540 (1981).
	C8	Chollet, et al, "Development of a Topically Active Imiquimod Formulation", Pharmaceutical Development and Technology, 4(1), pp 35-43 (1999)
	C9	Izumi, et al., "1*H*-Imidazo[4,5-*c*]quinoline Derivatives as Novel Potent TNF-α Suppressors: Synthesis and Structure-Activity Relationship of 1-, 2- and 4-Substituted 1*H*-imidazo[4,5-*c*]pyridines", Bioorganic & Medicinal Chemistry, 11, pp 2541-2550 (2003)
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	C11	R.L. Miller et al., "Imiquimod applied topically: a novel immune response modifier and new class of drug", International Journal of Immunopharmacology, 21, 1-14 (1999).
	C12	Karl R. Beutner, MD, et al., "Therapeutic response of basal cell carcinoma to the immune response modifier imiquimod 5% cream", J.Am.Acad.Dermatol., Volume 41, Number 6, 1002-1007 (December 1999).

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OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS		
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	C13	Davis et al., "Self-Administered Topical Imiquimod Treatment of Vulvar Intraepithelial Neoplasia", Journal of Reproductive Medicine, Volume 45, Number 8, 619-623, (August 2000).
	C14	Alexander Steinmann et al., "Topical Imiquimod Treatment of a Cutaneous Melanoma Mestasis", J.Am.Acad.Dermatol., Letters, 555-556 (September 2000).

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